

```
(FILE 'HOME' ENTERED AT 09:36:26 ON 07 NOV 2003)

FILE 'REGISTRY' ENTERED AT 09:36:41 ON 07 NOV 2003
L1      2 S CGGTTTAATGGCTTGTGTGCT/SQSN
L2      2 S L1 AND 15-30/SQL

FILE 'CAPLUS' ENTERED AT 09:38:19 ON 07 NOV 2003
L3      1 S L2
L4      0 S L1 AND 15-100/SQL

FILE 'REGISTRY' ENTERED AT 09:39:48 ON 07 NOV 2003
L5      2 S L1 AND 15-100/SQL
L6      8 S ATGCCATTAAACCGGTGGC/SQSN
L7      2 S L6 AND 15-100/SQL

FILE 'CAPLUS' ENTERED AT 09:42:23 ON 07 NOV 2003
L8      6 S L6

FILE 'REGISTRY' ENTERED AT 09:46:05 ON 07 NOV 2003

FILE 'STNGUIDE' ENTERED AT 09:46:40 ON 07 NOV 2003
L9      QUE CGGTTTAATGGCTTGTGTGCT| AGCACAACAAGCCATTAAACCG|  ATGCCATTAA

FILE 'REGISTRY' ENTERED AT 09:53:36 ON 07 NOV 2003
L10     14 S L9
L11     6 S L10 AND SQL<101

FILE 'CAPLUS' ENTERED AT 09:54:58 ON 07 NOV 2003
L12     1 S L11
L13     6 S L10

=>
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ANSWER 4 OF 8 REGISTRY COPYRIGHT 2003 ACS on STN

SEQ 27201 gcagtcctgat gccattaaac cggtaggctat tttccttgat ggctttgcgt

== =====

HITS AT: 27209-27227

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

RN 405050-93-3 REGISTRY

CN DNA (Escherichia coli strain O157:H7 clone OZID_244 fragment) (9CI) (CA
INDEX NAME)

OTHER NAMES:

CN 242: PN: US6365723 SEQID: 242 claimed DNA

L13 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:937301 CAPLUS

DOCUMENT NUMBER: 138:20541

TITLE: DNA and protein sequences of enterohemorrhagic E. coli
O157:H7 specific proteins and their used in diagnosis
and therapeutics

INVENTOR(S): Hayashi, Hideo; Shinagawa, Hideo; Makino, Kozo;
Hayashi, Tetsuya; Onishi, Makoto; Hattori, Shohei;
Kurokawa, Akira

PATENT ASSIGNEE(S): Tsukuba University, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 2067 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
	JP 2002355074	A2	20021210	JP 2002-15959	20020124
PRIORITY APPLN. INFO.:				JP 2001-112010	A 20010124
AB	This invention provides DNA and protein sequences of enterohemorrhagic E. coli O157:H7 specific proteins. The proteins are specifically present in E. coli O157:H7 rather than in non-pathogenic E. coli K-12. The O157:H7 specific DNA and protein can be used in diagnosis and treatment of digestive track hemorrhage.				
IT	478201-74-0	478204-20-5	478205-30-0	478206-19-8	478206-71-2
	478207-40-8	478207-99-7	478208-63-8	478209-11-9	478209-77-7
	478210-23-0	478210-82-1	478211-21-1	478211-56-2	
	478211-72-2	478211-98-2	478212-03-2	478212-30-5	478212-65-6
	478212-92-9	478213-26-2	478213-47-7	478213-75-1	478213-93-3
	478214-09-4	478214-23-2	478214-37-8	478214-44-7	478214-54-9
	478214-62-9	478214-71-0	478214-81-2	478214-91-4	478214-96-9
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	478215-71-3	478215-78-0	478215-85-9	478215-88-2	478215-95-1
	478215-99-5	478216-01-2	478216-06-7	478216-15-8	478216-17-0
	478216-22-7	478216-27-2	478216-29-4	478216-34-1	478216-36-3
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	478216-59-0	478216-64-7	478216-67-0	478216-72-7	478216-74-9
	478216-76-1	478216-78-3	478216-80-7	478216-82-9	478216-85-2
	478216-90-9	478216-93-2	478216-96-5	478216-98-7	478217-03-7
	478217-04-8	478217-05-9	478217-08-2	478217-12-8	478217-15-1
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	478217-42-4	478217-44-6	478217-45-7	478217-47-9	478217-50-4
	478217-53-7	478217-54-8	478217-55-9	478217-57-1	478217-58-2
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	478217-67-3	478217-69-5	478217-71-9	478217-73-1	478217-75-3
	478217-77-5	478217-78-6	478217-79-7	478217-81-1	478217-82-2
	478217-84-4	478217-86-6	478217-89-9	478217-91-3	478217-92-4
	478217-94-6	478217-97-9	478217-99-1	478218-00-7	478218-03-0
	478218-05-2	478218-08-5	478218-09-6	478218-10-9	478218-13-2
	478218-14-3	478218-15-4	478218-16-5	478218-17-6	478218-18-7
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RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (nucleotide sequence; DNA and protein sequences of enterohemorrhagic E. coli O157:H7 specific proteins and their used in diagnosis and therapeutics)

=> d ibib ab hit 2-6

L13 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:251953 CAPLUS
DOCUMENT NUMBER: 136:258372
TITLE: DNA sequences unique to the pathogenic O157:H7 strain
of Escherichia coli
INVENTOR(S): Blattner, Frederick R.; Burland, Valerie; Perna,
Nicole T.; Plunkett, Guy; Welch, Rod
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation, USA
SOURCE: U.S., 26 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6365723	B1	20020402	US 1999-453702	19991203
US 2003023075	A1	20030130	US 2002-114170	20020401

PRIORITY APPLN. INFO.: US 1998-110955P P 19981204
US 1999-453702 A1 19991203

AB The entire genome of pathogenic Escherichia coli strain O157:H7 has been sequenced. All of the genomic DNA sequences present in O157 and absent in the previously sequenced laboratory strain K12 are provided. These sequences correspond to 255 islands of O157 DNA. This sequence information is needed for comprehensive efforts at detection, diagnosis, prophylaxis, and therapeutic approaches to infections caused by the organism.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 405050-88-6	405050-89-7	405050-90-0	405050-91-1	405050-92-2
405050-93-3	405050-94-4	405050-95-5	405050-96-6	
405050-97-7	405050-98-8	405050-99-9	405051-00-5	405051-01-6
405051-02-7	405051-03-8	405051-04-9	405051-05-0	405051-06-1
405051-07-2	405051-08-3	405051-09-4	405051-10-7	405051-11-8
405051-12-9	405051-14-1			

RL: BSU (Biological study, unclassified); PRP (Properties); THU
(Therapeutic use); BIOL (Biological study); USES (Uses)
(nucleotide sequence; DNA sequences unique to the pathogenic O157:H7 strain of Escherichia coli)

L13 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:209011 CAPLUS
DOCUMENT NUMBER: 137:196299
TITLE: Genome sequence of enterohaemorrhagic Escherichia coli
O157:H7. [Erratum to document cited in CA134:232542]
AUTHOR(S): Perna, Nicole T.; Plunkett, Guy, III; Burtand,
Valerie; Mau, Bob; Glasner, Jeremy D.; Rose, Debra J.;
Mayhew, George F.; Evans, Peter S.; Gregor, Jason;
Kirkpatrick, Heather A.; Postal, Gyorgy; Hackett,
Jeremiah; Klink, Sara; Boutin, Adam; Shao, Ying;
Miller, Leslie; Grotbeck, Erik J.; Davis, N. Wayne;
Lim, Alex; Dimalanta, Eileen T.; Potamousis,
Konstantinos D.; Apodaca, Jennifer; Anantharaman,
Thomas S.; Lin, Jleyl; Yen, Galex; Schwartz, Dvaidd C.;
Welch, Rodney A.; Blattner, Frederick R.
CORPORATE SOURCE: Genome Center of Wisconsin, Department of Animal
Health and Biomedical Sciences, Laboratory of
Genetics, Department of Chemistry, Department of
Biostatistics, and Department of Medical Microbiology
and Immunology, University of Wisconsin, Madison, WI,
53706, USA
SOURCE: Nature (London, United Kingdom) (2001), 410(6825), 240
CODEN: NATUAS; ISSN: 0028-0836

PUBLISHER: Nature Publishing Group
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The correct GenBank accession number for the annotated sequence is AE005174.
IT 318232-68-7, GenBank AE005653 318232-69-8, GenBank AE005654
318232-70-1, GenBank AE005655 318232-71-2, GenBank AE005656
318232-72-3, GenBank AE005657 318232-73-4, GenBank AE005658
318232-74-5, GenBank AE005659 318232-75-6, GenBank AE005660
318232-76-7, GenBank AE005661 318232-77-8, GenBank AE005662
318232-78-9, GenBank AE005663 318232-79-0, GenBank AE005664
318232-80-3, GenBank AE005665 318232-81-4, GenBank AE005666
318232-82-5, GenBank AE005667 318232-83-6, GenBank AE005668
318232-84-7, GenBank AE005669 318232-85-8, GenBank AE005670
318232-86-9, GenBank AE005671
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
(Biological study)
(nucleotide sequence; genome sequence of enterohemorrhagic *Escherichia coli* O157:H7 (Erratum))

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2001:184271 CAPLUS
DOCUMENT NUMBER: 134:217892
TITLE: Complete genome sequence of enterohemorrhagic
Escherichia coli O157:H7 and genomic comparison with a
laboratory strain K-12
AUTHOR(S): Hayashi, Tetsuya; Makino, Kozo; Ohnishi, Makoto;
Kurokawa, Ken; Ishii, Kazuo; Yokoyama, Katsushi; Han,
Chang-Gyun; Ohtsubo, Eiichi; Nakayama, Keisuke;
Murata, Takahiro; Tanaka, Masashi; Tobe, Toru; Iida,
Tetsuya; Takami, Hideto; Honda, Takeshi; Sasakawa,
Chihiro; Ogasawara, Naotake; Yasunaga, Teruo; Kuhara,
Satoru; Shiba, Tadayoshi; Hattori, Masahira;
Shinagawa, Hideo
CORPORATE SOURCE: Department of Microbiology, Miyazaki Medical College,
Miyazaki, 899-1692, Japan
SOURCE: DNA Research (2001), 8(1), 11-22
CODEN: DARSE8; ISSN: 1340-2838
PUBLISHER: Universal Academy Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB *Escherichia coli* O157:H7 is a major food-borne infectious pathogen that
causes diarrhea, hemorrhagic colitis, and hemolytic uremic syndrome. The
complete chromosome sequence of an O157:H7 strain isolated from the Sakai
outbreak is reported, and the results compared with the genome of a benign
laboratory strain, K-12 MG1655. The chromosome is 5.5 Mb in size, 859 Kb
larger
than that of K-12. A 4.1-Mb sequence highly conserved between the two
strains is identified, which may represent the fundamental backbone of the
E. coli chromosome. The remaining 1.4-Mb sequence comprises of
O157:H7-specific sequences, most of which are horizontally transferred
foreign DNAs. The predominant roles of bacteriophages in the emergence of
O157:H7 is evident by the presence of 24 prophages and prophage-like
elements that occupy more than half of the O157:H7-specific sequences.
The O157:H7 chromosome encodes 1632 proteins and 20 tRNAs that are not
present in K-12. Among these, at least 131 proteins are assumed to have
virulence-related functions. Genome-wide codon usage anal. suggested that
the O157:H7-specific tRNAs are involved in the efficient expression of the
strain-specific genes. A complete set of the genes specific to O157:H7
presented here sheds new insight into the pathogenicity and the physiol.
of O157:H7, and will open a way to fully understand the mol. mechanisms
underlying the O157:H7 infection.
REFERENCE COUNT: 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 328224-91-5, GenBank AP002550 328224-92-6, GenBank AP002551

328224-93-7, GenBank AP002552 328224-94-8, GenBank AP002553
 328224-95-9, GenBank AP002554 328224-96-0, GenBank AP002555
 328224-97-1, GenBank AP002556 328224-98-2, GenBank AP002557
 328224-99-3, GenBank AP002558 328225-00-9, GenBank AP002559
 328225-01-0, GenBank AP002560 328225-02-1, GenBank AP002561
 328225-03-2, GenBank AP002562 328225-04-3, GenBank AP002563
 328225-05-4, GenBank AP002564 328225-06-5, GenBank AP002565
 328225-07-6, GenBank AP002566 328225-08-7, GenBank AP002567
 328225-09-8, GenBank AP002568 328225-10-1, GenBank AP002569
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
 (Biological study)
 (nucleotide sequence; complete genome sequence of enterohemorrhagic
 Escherichia coli O157:H7 and genomic comparison with a laboratory strain
 K-12)

L13 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:98372 CAPLUS
 DOCUMENT NUMBER: 134:232542
 TITLE: Genome sequence of enterohaemorrhagic Escherichia coli
 O157:H7
 AUTHOR(S): Perna, Nicole T.; Plunkett, Guy, III; Burland,
 Valerie; Mau, Bob; Glasner, Jeremy D.; Rose, Debra J.;
 Mayhew, George F.; Evans, Peter S.; Gregor, Jason;
 Kirkpatrick, Heather A.; Posfai, Gyorgy; Hackett,
 Jeremiah; Klink, Sara; Boutin, Adam; Shao, Ying;
 Miller, Leslie; Grotbeck, Erik J.; Davis, N. Wayne;
 Lim, Alex; Dimalanta, Eileen T.; Potamousis,
 Konstantinos D.; Apodaca, Jennifer; Anantharaman,
 Thomas S.; Lin, Jieyi; Yen, Glaex; Schwartz, David C.;
 Welch, Rodney A.; Blattner, Frederick R.
 CORPORATE SOURCE: Genome Center of Wisconsin, Department of Animal
 Health and Biomedical Sciences, Laboratory of
 Genetics, Department of Chemistry, Department of
 Biostatistics, and Department of Medical Microbiology
 and Immunology, University of Wisconsin, Madison, WI,
 53706, USA
 SOURCE: Nature (London) (2001), 409(6819), 529-533
 CODEN: NATUAS; ISSN: 0028-0836
 PUBLISHER: Nature Publishing Group
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The bacterium Escherichia coli O157:H7 is a worldwide threat to public
 health and has been implicated in many outbreaks of hemorrhagic colitis,
 some of which included fatalities caused by hemolytic uremic syndrome.
 Close to 75,000 cases of O157:H7 infection are now estimated to occur annually
 in the United States. The severity of disease, the lack of effective
 treatment and the potential for large-scale outbreaks from contaminated
 food supplies have propelled intensive research on the pathogenesis and
 detection of E. coli O157:H7. The genome of E. coli O157:H7 was sequenced
 to identify candidate genes responsible for pathogenesis, to develop
 better methods of strain detection and to advance our understanding of the
 evolution of E. coli, through comparison with the genome of the
 non-pathogenic laboratory strain E. coli K-12. Lateral gene transfer found to
 be far more extensive than previously anticipated. In fact, 1387 new
 genes encoded in strain-specific clusters of diverse sizes were found in
 O157:H7. These include candidate virulence factors, alternative metabolic
 capacities, several prophages, and other new functions - all of which
 could be targets for surveillance.

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 318232-68-7, GenBank AE005653 318232-69-8, GenBank AE005654
 318232-70-1, GenBank AE005655 318232-71-2, GenBank AE005656
 318232-72-3, GenBank AE005657 318232-73-4, GenBank AE005658
 318232-74-5, GenBank AE005659 318232-75-6, GenBank AE005660

318232-76-7, GenBank AE005661 318232-77-8, GenBank AE005662
 318232-78-9, GenBank AE005663 318232-79-0, GenBank AE005664
 318232-80-3, GenBank AE005665 318232-81-4, GenBank AE005666
 318232-82-5, GenBank AE005667 318232-83-6, GenBank AE005668
 318232-84-7, GenBank AE005669 318232-85-8, GenBank AE005670
 318232-86-9, GenBank AE005671
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
 (Biological study)
 (nucleotide sequence; genome sequence of enterohemorrhagic Escherichia
 coli O157:H7)

L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:900842 CAPLUS
 DOCUMENT NUMBER: 134:52236
 TITLE: A DNA marker specific for Escherichia coli serotypes
 O157:H7; O157:NM and O55:H7 and its diagnostic use
 INVENTOR(S): Chen, Shu; Xu, Renlin; Li, Jiping
 PATENT ASSIGNEE(S): University of Guelph, Can.
 SOURCE: PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000077247	A1	20001221	WO 2000-CA716	20000614
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 1999-139260P P 19990615

AB A novel DNA marker FAFLP (fluorescent amplified fragment length
 polymorphism) specific for E. coli serotypes O157:H7; O157:NM and O55:H7
 is disclosed. The isolation of the marker allows the development of
 diagnostic assays that can be used to detect the serotypes in the sample.
 In particular, the marker can be used to prepare nucleic acid primers and
 nucleotide probes based on the sequence of the marker.

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 313725-55-2 313725-56-3
 RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES
 (Uses)

(nucleotide sequence; a DNA marker specific for Escherichia coli
 serotypes O157:H7, O157:NM and O55:H7 and diagnostic use)

IT 313725-50-7 313725-51-8 313725-52-9
 313725-54-1
 RL: ARG (Analytical reagent use); PRP (Properties); ANST (Analytical
 study); USES (Uses)
 (nucleotide sequences of primers or probes; a DNA marker specific for
 Escherichia coli serotypes O157:H7, O157:NM and O55:H7 and diagnostic
 use)

TITLE Direct Submission
 JOURNAL Submitted (26-JUN-2000) Ken Kurokawa, Osaka University, Genome
 Information Research Center; 3-1, Yamadaoka, Suita, Osaka 565-0871,
 Japan (E-mail:ken@gen-info.osaka-u.ac.jp,
 URL:http://www.gen-info.osaka-u.ac.jp/, Tel:81-6-6879-8365,
 Fax:81-6-6879-2047)
 COMMENT genome project.
 FEATURES Location/Qualifiers
 source 1. .168764
 /organism="Escherichia coli O157:H7"
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 CDS 705. .1166
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gene 1289. .3061
/gene="ECs5230"

CDS 1289. .3061
/gene="ECs5230"
/note="similar to part of (13-616 in 616 aa) YJGL_ECOLI gi|1790702 percent identity 82 in 590 aa"
/codon_start=1
/evidence=not_experimental
/transl_table=11
/product="hypothetical protein"
/protein_id="BAB38653.1"
/db_xref="GI:13364708"
/translation="MSKISDLNYSQHITLADNFKQKSEVLNTWRVGMNMFARNAGGQD
NTRNILNPKTFLEFLVKIFTLGYVDFSKRSNEAGRNMMAHIESSSYIKNNDGSEIMKF
VMNPEGERADSPKVIIEISLSTITTMGTRQGHTAIIFFQPDGSTNRYERKSFERKDE
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SVINHINFRRDQSKVAETLFFNLDKEPYKNSPELQELIWKKLVVYVNDFNLSNREKTY
LIQRIFFNNVESLFNKVPVSILVNDIFMNDFFMKNTMINWYFPRLLKSYEDEKIYFDK
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TLNPPENLRIAIEKFGWKKKTITA"

gene complement(3118. .4122)
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CDS complement(3118. .4122)
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87 in 334 aa, similar to ARG1_ECOLI gi|1790703 percent
identity 99 in 334 aa (Conserved in E.coli K-12)"
/codon_start=1
/evidence=not_experimental
/transl_table=11
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/protein_id="BAB38654.1"
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YAGDARNNMGNSMLEAAALTGLDLRLVAPQACWPEAALVTECRALAQONGGNITLTED
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CDS 4284. .4700
/gene="ECs5232"
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          /gene="ECs5233"
          /note="similar to B4256_ECOLI gi|1790705 percent identity
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          /codon_start=1
          /evidence=not_experimental
          /transl_table=11
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CDS       5442..6638
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          /codon_start=1
          /evidence=not_experimental
          /transl_table=11
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Matches 1583;   Conservative    0;   Mismatches    0;   Indels    1;   Gaps    1;

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Qy      61 AAGTGCCACCTTGGGCGTTTGCACCGTCATTTGTACCTCCGGACAGATGTTGCAATGTA 120
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Db      58257 AAGTGCCACCTTGGGCGTTTGCACCGTCATTTGTACCTCCGGACAGATGTTGCAATGTA 58198
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Qy      121 TTTTCGTCAATTGGCCCCGAATGCAACGTGCCAACCCCTGGTTGTGAATAATGGAATAAAAT 180
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Db      58197 TTTTCGTCAATTGGCCCCGAATGCAACGTGCCAACCCCTGGTTGTGAATAATGGAATAAAAT 58138
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Db      58137 TCTTGATTATCAATAATCAATGCCCATTTTGTGATGGCCAGGCGAGATCGGCTTCCGCA 58078
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Qy      241 ATAATTTACCTTCATCATTTTGAATTCGTAGCCGAGAGTCGGCGCAGAGAGAGAATGA 300
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Db      58077 ATAATTTACCTTCATCATTTTGAATTCGTAGCCGAGAGTCGGCGCAGAGAGAGAATGA 58018
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Qy	421	TGCGGTAAATGCACGGCTTTACGGCTGGTAAAGGTCATATCCGGCAGGAACTGTAACAGG	480
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Qy	481	TTTACCAGTCGCCAGAAGCCATTGAGTCCCGCTTCATAACCGTCATCCTGCGTATAGCGA	540
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Qy	541	TCGTCAAAACAGATATGCAAACGCAGCCAGCTGCGCATTTGTGCGACGCTGGTCGTCTGGT	600
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Qy	661	CTATCGAGTAAACCACCAAAGACAAACGGTTCGTCTGGCAAAAGCTCTGCTAGCCGCCAA	720
Db	57657	 CTATCGAGTAAACCACCAAAGACAAACGGTTCGTCTGGCAAAAGCTCTGCTAGCCGCCAA	57598
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Qy	1440	AAAATTTTCGCCAGCAAGAGACGCGCCTGATCGCGGGAGACATACTTCATGCGCCACGG	1499
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Qy	1500	TCACGGTAAGCGTAAACGCAACGATAACAACCATCTTTATGCGTATCATTGTTGCAACTG	1559
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RESULT 1
US-09-453-702B-242/c
; Sequence 242, Application US/09453702B
; Patent No. 6365723
;   GENERAL INFORMATION:
;       APPLICANT: Blattner, Frederick R.
;                   Burland, Valerie
;                   Perna, Nicole T.
;                   Plunkett, Guy
;                   Welch, Rod
;   TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
;   NUMBER OF SEQUENCES: 265
;   CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Quarles & Brady
;       STREET: 1 South Pinckney Street
;       CITY: Madison
;       STATE: WI
;       COUNTRY: US
;       ZIP: 53701-2113
;   COMPUTER READABLE FORM:
;       MEDIUM TYPE: Diskette, 3.50 inch. 1.44Mb storage
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: Word Perfect 8.0
;   CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/09/453,702B
;       FILING DATE: 03-Dec-1999
;       CLASSIFICATION: <Unknown>
;   PRIOR APPLICATION DATA:
;       APPLICATION NUMBER: 60/110,955
;       FILING DATE: 04-DEC-1998
;   ATTORNEY/AGENT INFORMATION:
;       NAME: Seay, Nicholas J.
;       REGISTRATION NUMBER: 27386
;       REFERENCE/DOCKET NUMBER: 960296.95017
;   TELECOMMUNICATION INFORMATION:
;       TELEPHONE: (608) 251-5000
;       TELEFAX: (608) 251-9166
;   INFORMATION FOR SEQ ID NO: 242:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 31880
;           TYPE: nucleic acid
;           STRANDEDNESS: double
;           TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 242:
US-09-453-702B-242

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Best Local Similarity 100.0%; Pred. No. 2.7e-26;
Matches 96; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Qy 61 AGCCATCAAGGAAAATAGCCACCGGTTTAATGGCAT 96

Db 27244 AGCCATCAAGGAAAATAGCCACCGGTTTAATGGCAT 27209

Comp = Seq. 5

RESULT 1
US-09-453-702B-242/c
; Sequence 242, Application US/09453702B
; Patent No. 6365723
; GENERAL INFORMATION:
; APPLICANT: Blattner, Frederick R.
; Burland, Valerie
; Perna, Nicole T.
; Plunkett, Guy
; Welch, Rod
; TITLE OF INVENTION: No. 6365723e1 Sequences of E. coli O157
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch. 1.44Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 8.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/453,702B
; FILING DATE: 03-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/110,955
; FILING DATE: 04-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 242:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31880
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 242:
US-09-453-702B-242

Query Match 100.0%; Score 81; DB 4; Length 31880;
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Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 ACAGCTATCGAGTAAACCACC 81

Db 27708 ACAGCTATCGAGTAAACCACC 27688